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Peto Seed Co.
P. O. BOX 138
SATICOY, CALIFORNIA, U.S.A.



P U R E S E E D
P E T O S E E D

Peto Seed Company, Saticoy, Calif.

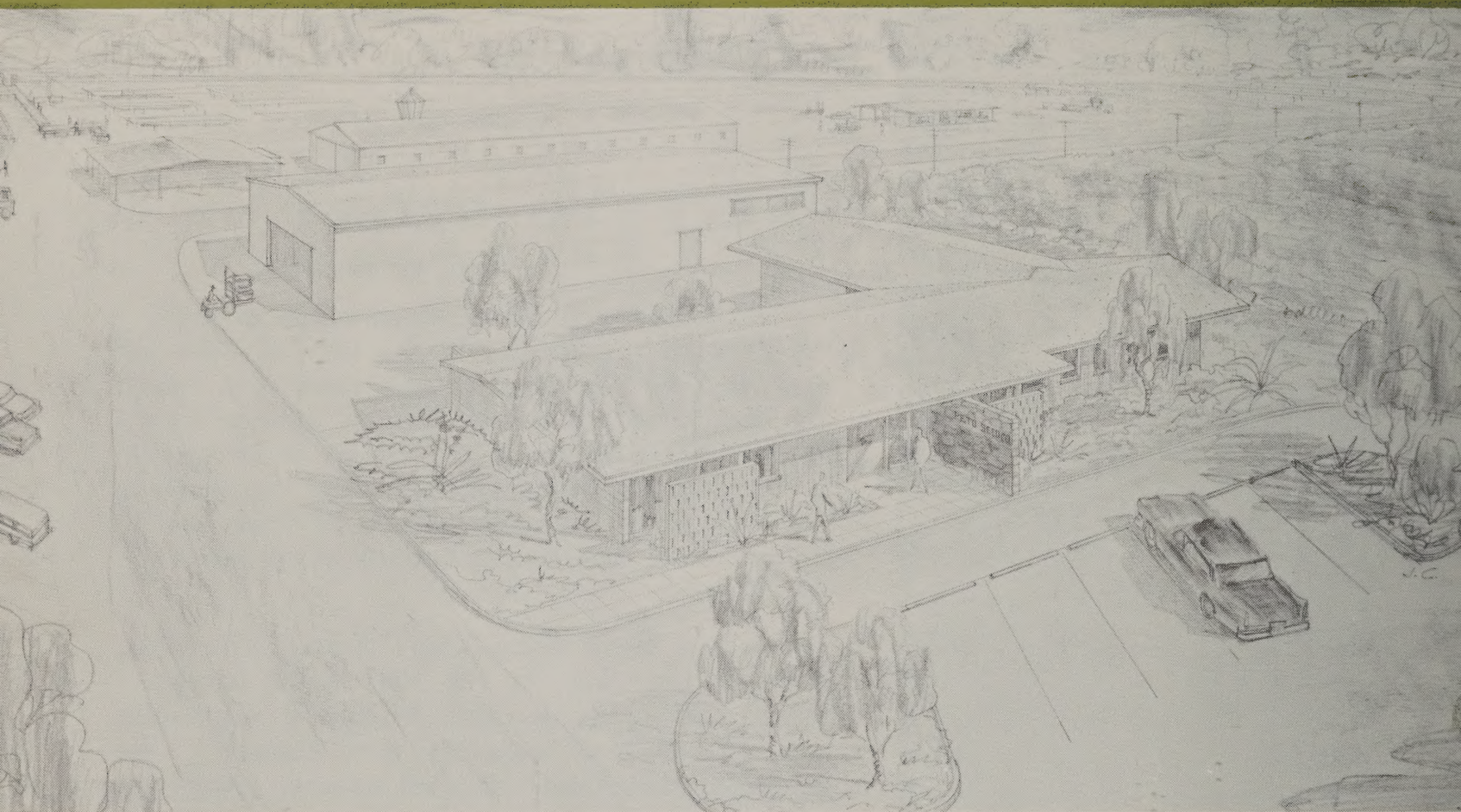


THE PETO STORY

Agriculture has always been based on faith—the faith of the planter in the weather, the soil and his seed. Experience and study may teach him about the weather and the soil, but confidence in his seed is based upon his trust in its source, in the company whose name is on the package. For more than a decade, the seed trade in the United States and throughout the world has trusted the name "Peto Seed".

In the fertile Santa Clara Valley, fifty miles north of Los Angeles, the Peto Seed Company breeds and produces seeds of hybrid vegetables and of standard tomatoes and peppers. The balanced combination of ideal weather, deep rich soil, and abundant water creates an area well described as "nature's greenhouse", nearly perfect for the production of reliable seeds. These ideal conditions, along with the company's knowledge of breeding and variety improvement, production, farming, processing, and customer's needs, are factors which insure uniform yearly deliveries of highest quality pure seeds.

Peto Seed Co.
P.O. Box 138
Saticoy, California, U.S.A.



Peto Seed Company was established for the production of hybrids by two men eminently competent in plant culture and production, Dr. Howard Peto and Troels Udsen. Dr. Peto, an experienced agricultural scientist with degrees from both Canadian and American Universities, had already become outstanding in seed breeding. Troels Udsen, an agriculturist from Denmark, had established himself as a top production manager in the business. Together these men formed a combination that promised something new, unusual, and better. The success of these men, together with their team of experts, bears witness to the fact that new ideas were needed in this field, so that at this time the company is on their fourth expansion plan in the last ten years.



BREEDING

The achievements of a sound breeding program are the results of a skilled breeding staff and well-trained technicians, all with solid objectives in mind. It is their duty to know and understand the factors important to the customers and to work toward better hybrids and varieties to fulfill the needs of the processors, shippers, market and home gardeners.

The maintaining and improving of breeding lines is the first essential for this program. These selected inbred lines, when crossed, produce the fine F_1 hybrids with their desirable characteristics such as increased yield, size, uniformity, disease resistance, or earliness. These desirable factors are summed up in the term "hybrid vigor".

The road that is taken by the breeding department is dependent entirely on the requirements of the customers. By maintaining close liaison with various experiment stations, scientists, and customers, the department is able to bring out their own introductions, or those custom-bred for customers with special requirements.

The work being done today on the experimental lines will be high-quality hybrids and standard varieties tomorrow. Only through accurate foresight can the Peto Seed Company anticipate the needs of the industry several years hence. This is a responsibility which must be taken very seriously.

Despite the location, it is still necessary to maintain greenhouse facilities for the purpose of growing winter generations to shorten lengthy breeding programs. It is also used as a laboratory for testing disease resistance, studying germination and vitality problems which have led to the development of the "Hermi-sealed" ® containers.





TRIALS

The most extensive trials of its kind in the country are maintained by the Peto Seed Company. Customers and other people are encouraged to visit the trials in Satcoy and study varieties, observe new introductions, discuss prospects for future introductions and obtain information that may be of benefit to them or their customers. The trials contain thousands of different breeding lines, experimental hybrids, hybrids and open pollinated varieties obtained from many sources.

Through its trial operations, the Peto Seed Company educates its own sales personnel so that they may have a complete knowledge of the various varieties available, the important characteristics of each, and other information which can be useful in providing good customer service.

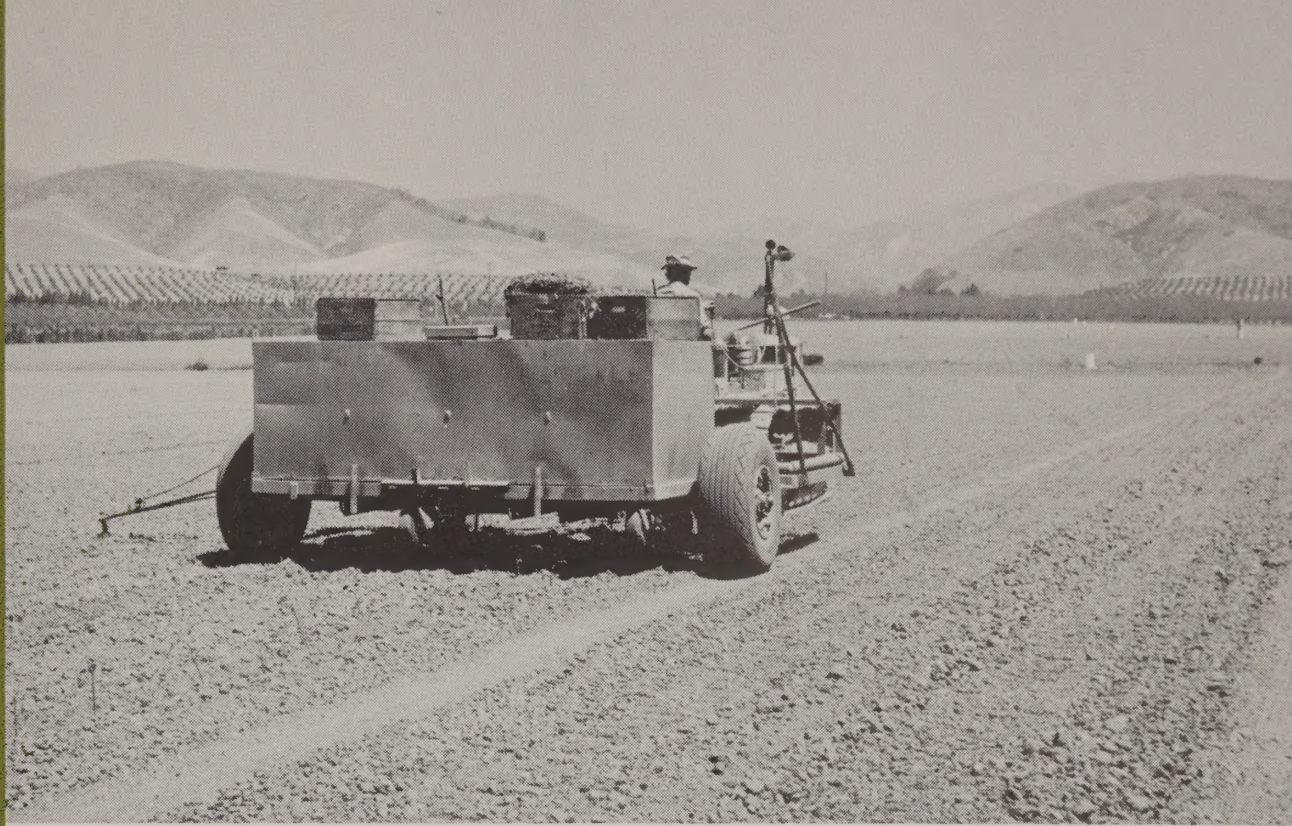
PRODUCTION

The production of hybrid vegetable seeds requires great skill and highly experienced personnel, plus a large amount of trained hand labor. To insure pure F_1 seeds, intricate proceedings such as timing of emasculating, pollinating, harvesting, and processing must be performed carefully for each class of hybrid vegetable.

Another important phase of the production department's work is quality of standard varieties. Crops are inspected several times during the growing season, and off-types are removed by experienced personnel trained by the Breeding Department. The crops are inspected for seed-borne diseases three times during the season by officials of the United States Department of Agriculture, who issue phytosanitary certificates.

Hybrid Cantaloupe Production



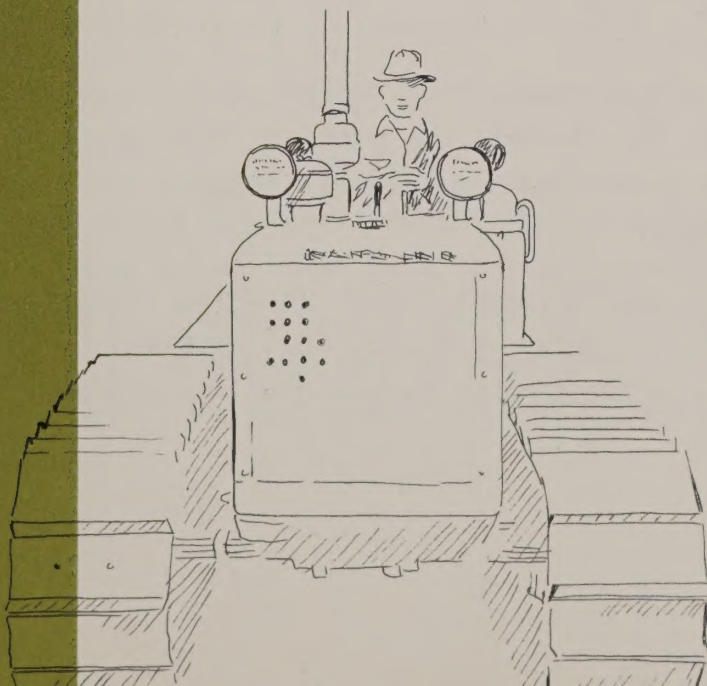


Tomato Transplanter

FARMING

The Peto Seed Company has always done its own farming, and now leases nearly one thousand acres of land, selected to insure proper isolation for the production of seed crops. Every step of the growing operations is meticulously supervised by specialists in plant culture.

Large, modern, and especially designed pieces of equipment are used for efficient soil preparation and cultural practices. Because the year's rainfall in the Santa Clara Valley occurs entirely during the winter months, fields are deeply sub-soiled and plowed in the fall. Thus, they can take in and hold the maximum amount of moisture to a depth of six feet for use by the crops throughout the growing season, which begins in mid-March. This rainfall is supplemented as necessary, by several furrow irrigations with water from deep wells, some of which are more than one thousand feet deep.



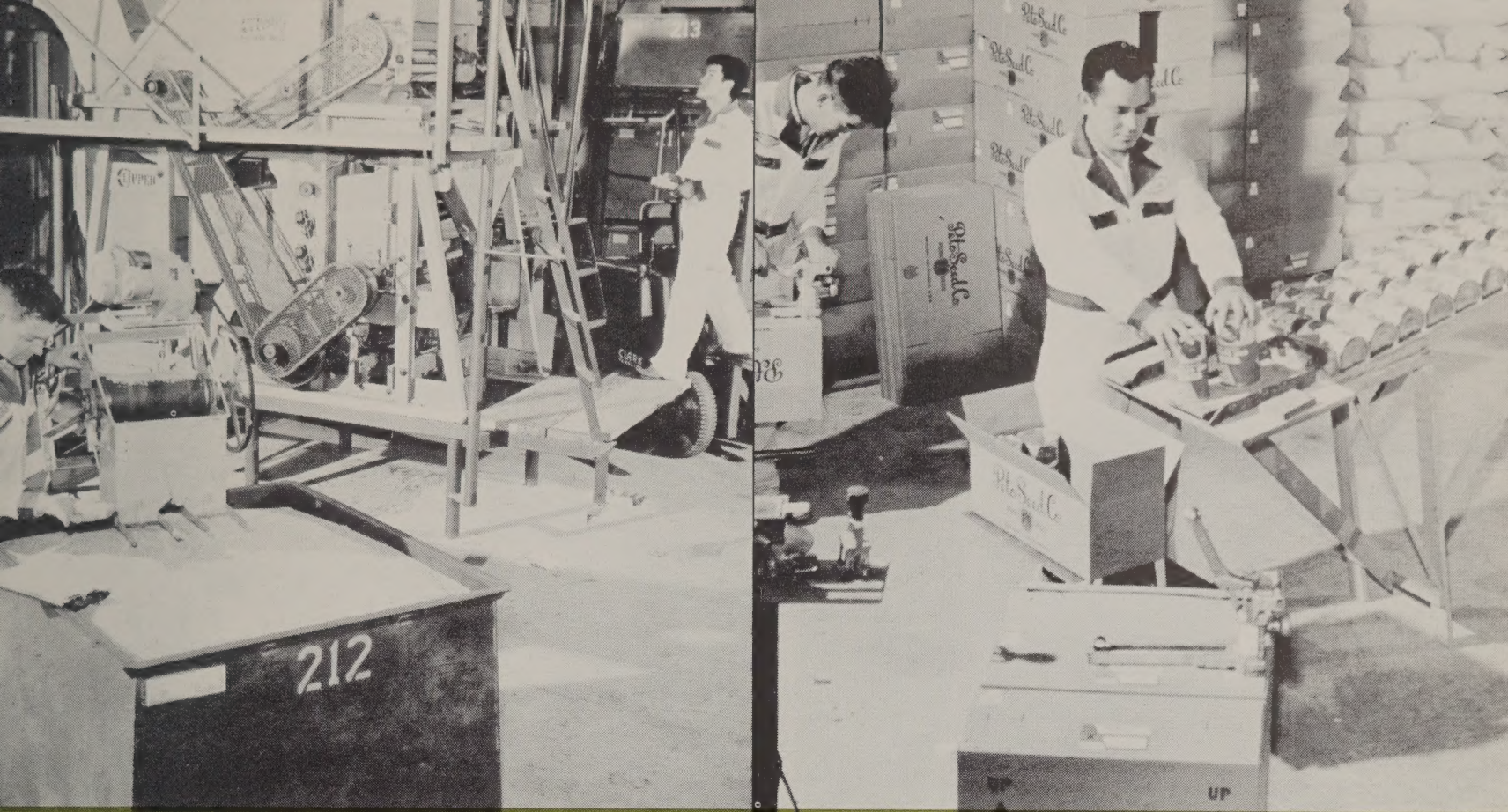


HARVESTING

The threshers, as well as other harvesting equipment used at the Peto Seed Company farms, are designed and built in the company's shops. Extensive preliminary study and experimentation are necessary to assure that the equipment will not damage the seeds during harvesting, and that it can be easily cleaned between the different varieties to avoid mixtures.

All Peto Seed crops are currently hand picked, and this operation requires a tremendous labor force. To alleviate the problem, the company is researching and has developed a prototype mechanical harvester which will eliminate dependence upon hand labor.

To obtain maximum quality seed, most varieties require several harvests, the first of which is made in August or September. Harvesting is normally completed early in December, before the heavy winter rains begin.



PROCESSING

Most seed is threshed in the field and taken to the washery in special acid-resistant containers. Here, the Processing Department takes over. Some seeds are fermented in their own juice under controlled conditions; others are washed immediately in flumes, where large quantities of water separate the remaining pulp from the seeds. As the seed comes from the flumes, it is placed in bags and then centrifuged to remove the excess water. It is dried under controlled temperatures and constantly stirred to produce uniformly dry, single seeds.

Properly dried, the seed is further processed in specially designed cleaning equipment, and germination tests are subsequently conducted. The seed is then ready to be shipped in bulk containers. If it is to be canned, the seed will be further dried and processed to meet the specifications of the company's own "Hermi-seal" process, one which has proven highly satisfactory and is in great demand.



It is clearly the aim of the company and its staff to remain the leader in its specialized field. The staff realizes that only through constant personal contact can they expect to build customer confidence and prove its continued desire to be known as a customer's plant breeder and supplier. Therefore, personnel from the Breeding and Sales Departments travel constantly in the United States and foreign countries, attending seed conventions, calling on the trade, and visiting research centers.

Through hybrids Peto Seed Company sees a solution to the great problem of producing more food to meet the needs of expanding populations on ever-diminishing acreages. They will continue to do their part by providing customers everywhere with seeds and services they can trust. For at Peto's, the attitude is this, "The past is our heritage, the present our responsibility, and the future, our challenge."

HYBRID DESCRIPTIONS

F₁ HYBRID CANTALOUPE

SATICOY HYBRID

Thick Firm Flesh, Excellent Quality

90 DAYS

FRUIT — Slightly oblong 6½" x 5½". Exterior color is slate green with a medium ropey netting, approximately 4 pounds in size, and is of the Harvest Queen type. Very productive, thick, firm flesh, very dark orange, excellent quality, small seed cavity and should hold well for Eastern marketing. It has strong central column resulting in a tight seed cavity.

VINE — Resistant to Mildew and Fusarium Wilt. Due to its strong vine and high degree of disease resistance, this new hybrid will produce for a long period of time.



SUPER MARKET

Sweet Delicious, Slightly Musk Flavor

84 DAYS

FRUIT — Round to oval measuring 7" long, 6" in diameter, weighing 4.5 pounds. Ribbed and medium netting. Skin tan, slightly white net, tough rind and holds well. Deep salmon flesh, firm, sweet delicious flavor, slightly musky. Small cavity.

VINE — Vigorous, resistant to Fusarium and Downey mildew. High yielding, an excellent hybrid for market and home garden.

SPECIAL HYBRID COMBINATIONS

Special crosses of hybrid cantaloupes are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

F₁ HYBRID CUCUMBERS (SLICING)

EARLY MARKETER

Outstanding for Earliness

55 DAYS

FRUIT — Cylindrical, 8½ to 9½ inches long slender, 2¼" in diameter, very dark green in color, and excellent uniform shape.

VINE — Carries resistance to Downey Mildew and Mosaic. It is bred for extra high early yield of fine quality fruits. For earliness, it cannot be beaten. It is recommended as a shipping and market garden variety.

EARLY SURECROP

Disease Resistant Slicing Type

58 DAYS

FRUIT — Slender, blunt ends, 8 to 9 inches long, 2½ inches in diameter, holds its dark green color well after picking. Flesh is crisp, white and unusually delicious. Small seed cavity.

VINE — Outstanding vigorous, with large protective leaves. Its resistance to Mosaic and Downey Mildew keeps the vines alive and productive long after most varieties have wilted. Surecrop is no novelty, but one of the most widely sold varieties. Suitable for market grower, greenhouse, as well as home-garden use. May be used for both pickling and slicing by the home gardener.

As a commercial market-gardener item it is used from Canada to Mexico on repeat orders. As a home garden favorite it has no equal.



ALL-AMERICA SELECTIONS

SATICOY HYBRID

Beautiful Dark Green Slicer

60 DAYS

FRUIT — Dark green, 7 to 8 inches in length, very straight and uniform. Holds its dark green color well after picking. Flesh is crisp, firm, white and of excellent quality. Slight taper at the stem end.

VINE — Very strong vine with Mosaic and Downey Mildew Resistant, gives this hybrid a long period of productivity. This new hybrid has an excellent appearance, ideal for the commercial grower and home gardener. Its disease resistance keeps the vines productive long after most varieties have wilted. Its dark green color is outstanding, holding well during marketing.



TOTAL MARKETER

High Yielding Uniform Dark Green Fruits

65 DAYS

FRUIT — Very fine uniform dark green, 8 to 9" long, crisp flesh.

VINE — It is resistant to Downey Mildew and Mosaic, keeps the vine alive and productive long after most varieties have wilted. This hybrid is bred for total high yields and has out-yielded the popular open pollinated Marketer in all our trials. It is recommended as a shipper and greenhouse cucumber and is well adapted to all areas where Marketer is grown.

F₁ HYBRID CUCUMBERS (PICKLING)

IMP. HYCROP PICKLING

54 DAYS

FRUIT — Matures to 5½-6" x 2½". This is an improved early Hycrop Hybrid Pickling cucumber of medium dark green color with black spines and resistant to mosaic and spot-rot. Heavy yield of uniform slender fruit with tender skin and sweet flavor.

VINE — Vigorous medium green foliage. This new Improved Hycrop compared to regular Hycrop is very similar except slightly smaller and more desirable size.

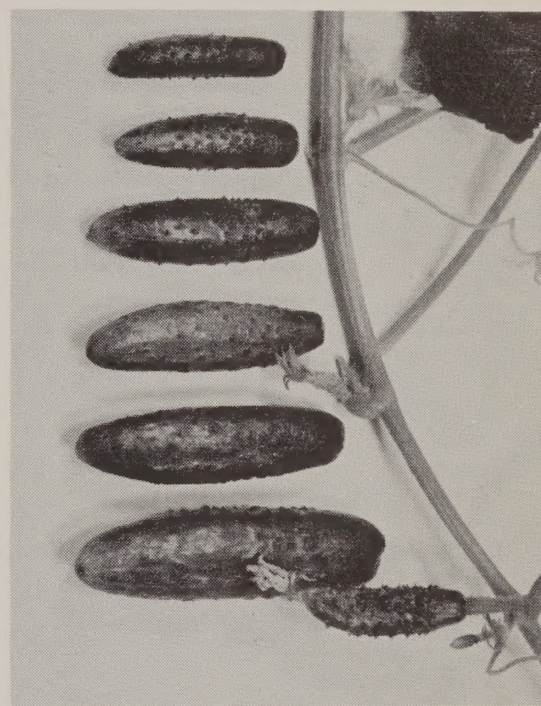
The original cross was introduced in cooperation with Professor T. O. Graham at Ontario Agricultural College, Guelph, Ontario, Canada and we have further improved this cross to meet the needs of our expanding critical wholesale trade.

TRIPLE PURPOSE (Long Green)

54 DAYS

FRUIT — Triple Purpose has a tender skin, can be successfully processed. Superior to old fashioned Long Green now unpopular with processors because of its tough skin. Smaller seeds and lacks seediness of the old fashioned Long Green with better color.

VINE — Very vigorous and has been found very resistant to Mosaic and Mildew. It is of the triple purpose type — pickle slices, chunks and fresh slicing cucumber.



SPARTAN DAWN

50 DAYS

FRUIT — Medium green in color, blocky with a very slight taper to blossom end, black spined, length-width ratio varies from 2.8 to 3.0.

VINE — Slightly shorter than SMR-15, medium green color, has mostly female bloom. Carries resistance to Cucumber Mosaic and Scab.

This hybrid was developed and released by Dr. C. E. Peterson of Michigan State University in 1961. The advantage of this hybrid compared to open pollinated varieties are higher early yield and smaller average size of fruit. This hybrid responds best under optimum cultural conditions.

SPECIAL HYBRID COMBINATIONS

Special crosses of hybrid cucumbers are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

F₁ HYBRID EGGPLANT

MISSION BELL

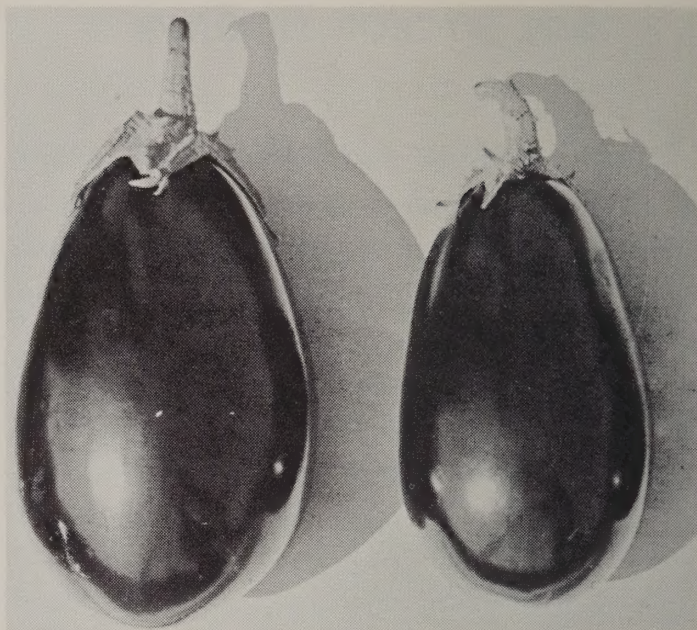
Fine Appearing, High Yielding

70 DAYS

FRUITS — Deep oval shaped, slightly tapering toward stem, dark shiny smooth skin, excellent quality.

PLANT — Vigorous, upright, medium tall, heavy yielder.

This is an excellent quality hybrid eggplant that will be preferred by gardeners to standard varieties because of its earliness, uniformity, high yield and fine appearance. An excellent hybrid for the home and market gardeners.



SPECIAL HYBRID COMBINATIONS

Special crosses of hybrid eggplants are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

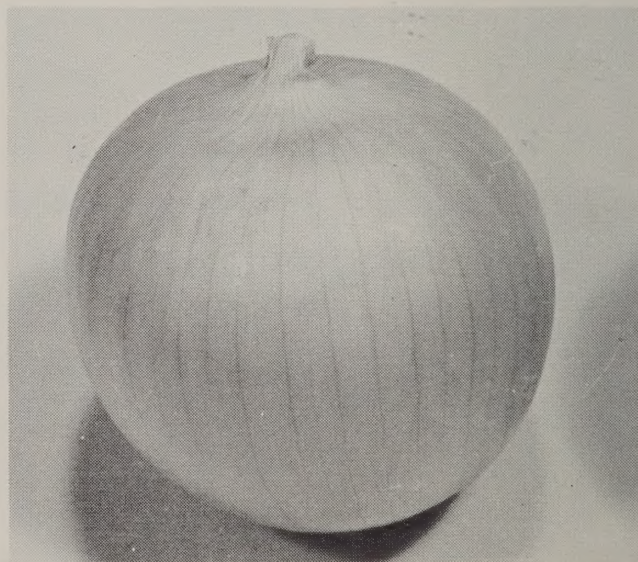
F₁ HYBRID ONIONS

BOUNTIFUL

A high yielding attractive, globe shaped bulbs of the Sweet Spanish type for home and market gardener. It has sweet, very mild flavor, soft to medium firm flesh, short storage type. Plants are glossy green, vigorous, and uniform. Performs well when transplanted.

EARLY HARVEST

This hybrid, from seed, matures as early as the main crop now grown in the North from dry sets. Top growth is rather short, small necked, allowing rapid curing even when harvested rather immature. Bulbs medium size, globe to tall-globe. Scales light yellow and few in number and retained best when harvested slightly immature. Flesh mildly pungent, not intended for storage. Early Harvest has performed well when used for transplants.



GRANEX YELLOW

This is an outstanding early, yellow hybrid onion of exceptionally heavy yield of uniform bulbs with attractive color and flavor. The bulbs are deep, flat with a full base, the skin is attractive pale yellow, the flesh is sweet and mild and stores very well.

The parents are Excel 986 and Grano 951. The hybrid is a higher yielder than either of the two parents and a far better keeper than the regular Grano. It is adapted to all areas where Bermuda types are grown.

GRANEX WHITE

This is an early, white hybrid resembling Granex in maturity and shape. It is a higher yielder than the flat Crystal Wax types such as Eclipse and Early Crystal 281. It is mild, not quite as pungent as Crystal Wax. It is relatively free from bolting and doubling, with resistance to pink root.

Adapted to areas where Bermuda types are grown.

MAGNIFICO

A sweet Spanish type Hybrid that produces large globe shaped bulbs. The scales are light yellowish brown and are retained well on the bulb. Mild flavor, soft to medium firm flesh, nearly white in color.

The plants are vigorous, large glossy green with excellent uniformity. Performs well for direct seeding or transplants. A short storage type.

PETO IMPROVED EARLY YELLOW GRANEX

This is an early Yellow Hybrid, pink root resistant of very heavy yields. The uniform bulbs are of medium depth top-shaped, deeper than regular Yellow Granex. Skin is an attractive pale yellow, flavor is mild, holds well in storage. It is relatively free from splitting and bolting.

This hybrid matures earlier than regular Yellow Granex. Adapted to areas where Grano types are grown.

SATICOY HYBRID

Early, High Yielding, Globe Shaped

A high yielding early onion of the Early Harvest class, 5 to 7 days earlier than Early Harvest. Have performed well from Texas to Mountain areas of Colorado and to Central California. When seed of Saticoy Hybrid and dry-set varieties are planted at the same time, Saticoy Hybrid matures first. The bulbs are globe-shaped, scales yellowish brown. It is not recommended for long storage. Saticoy Hybrid performs well when grown from transplants.

Y28

This early, pink root resistant hybrid produces a heavy yield of uniform yellow bulbs of medium size. They are deep, flattish shape of Yellow Bermuda type, resembling Excel but less subject to bolting and splitting as found in the pink root resistant Crystal Wax L303 type. It is mild flavored. The maturity is a week earlier than Excel. Y28 is well adapted to Laredo and Winter Garden areas of Texas.

F₁ HYBRID SQUASH

BLACKINI

Beautiful Dark Green Fruits of Excellent Quality

65 DAYS

FRUIT — Very dark green Zucchini type, uniform, cylindrical in shape. The ideal stage for eating is 6 to 8" long. The flavor and texture is excellent when used fresh in salads, boiled, baked or fried.

HABIT — Compact bush, very vigorous and productive, earlier and heavier yields than Zucchini. It is advisable to keep fruits picked as they reach market stage. This hybrid squash has a wide range of adaptability, well suited for all areas where Zucchini squash is grown.

GREYZINI HYBRID

55 DAYS

FRUIT — Grey or slate green color, more slender and slightly longer than Grey Zucchini, excellent quality, excellent uniformity, tender and delicious.

HABIT — Bush habit, excellent vigor, more productive than regular Grey Zucchini and up to one week earlier. Produces quality fruit over a long season.

This new Peto introduction received a Bronze Medal for its outstanding performance in the 1961 All-America trials. It consistently out-yielded the standard checks, coming into production up to one week earlier than regular Grey Zucchini and due to its strong vigor, will produce over a much longer season. Recommended for the home and commercial grower.



ALL-AMERICA  SELECTIONS

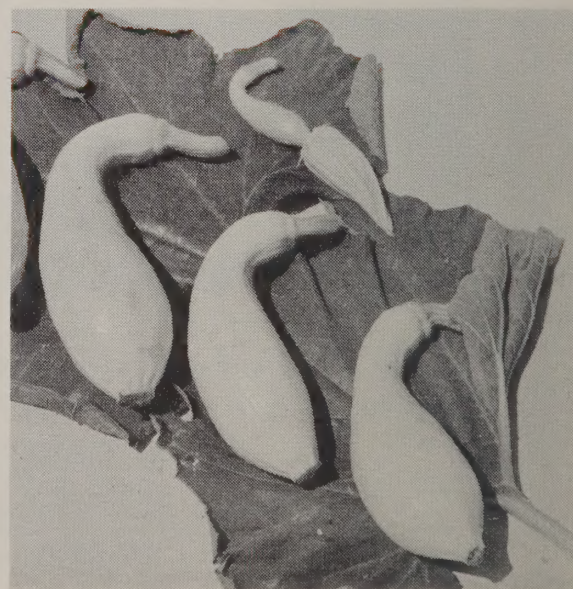
SATICOY HYBRID

Crookneck Type — Productive, Smooth, Delicious

45 DAYS

FRUIT — Golden yellow Crookneck type, 4 to 5 inches long, edible until fruit is 10 to 12 inches long. Nearly smooth, free of warts, uniform curved, slender necks.

HABIT — Quite compact bush habit, can be planted close together. This new hybrid matures 5 to 7 days earlier than Early Yellow Summer Crookneck. The skin is quite smooth, free of warts, even as the fruit passes its prime maturity. It has excellent production and is of very high quality.



STORR'S GREEN

55 DAYS

FRUIT — Very attractive dark green, cylindrical, smooth, crisp and of fine texture, quality and excellent flavor.

HABIT — Open bush type plant makes for easy harvesting. An early productive dark green summer squash of wide adaptability has created a great demand for this hybrid.

SPECIAL HYBRID COMBINATIONS

Special crosses of hybrid squash are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

F₁ HYBRID WATERMELONS

EARLY MIDGET (ICE BOX TYPE)

80 DAYS

FRUIT — Uniform dark green in color, excellent quality crisp red flesh, black seeds, and has the thick rind necessary for good shipping qualities. Shape is round to slightly oblong. Average weight is 6 pounds.

VINE — Very vigorous, typical of a superior F₁ hybrid. The productivity of these vines is very good. This watermelon is much superior in every way to any of the present Ice Box type Watermelons from the standpoint of shipping and eating quality.



F₁ HYBRID WATERMELONS (CON'T.)

DIXIE QUEEN

Wilt Resistant

82 DAYS

FRUIT — 30-50 lbs. medium light green skin with narrow, dark green wavy stripes, a little darker than standard Dixie Queen. Very thin but extra tough rind. Flesh crisp, low fibre, deep dewy red, especially fine, sweet flavor. Seeds dark color.

VINE — Very uniform, vigorous vine with strong resistance to Fusarium and Wilts common to watermelons.

Slightly earlier than standard Dixie Queen. It produces from mid-August until frost. This is a true first generation hybrid produced by hand controlled hybridization. The cross of two carefully selected inbred parent lines.

SPECIAL HYBRID COMBINATIONS

Special crosses of hybrid watermelons are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

F₁ HYBRID TOMATOES

BREEDERS

Mid-season Shipping and Canning

70 DAYS

FRUIT — Medium to large size, round to deep globe, very smooth and solid flesh, no hard core, bright red color throughout, excellent quality and fine flavor.

HABIT — Indeterminate, medium large, upright, strong and vigorous, good vine coverage, very prolific.

This hybrid, because of its fine quality fruits, is an excellent shipping and canning tomato. It is very well adapted, an excellent general F₁ hybrid used extensively over the States where Rutgers is grown.

EARLY DELICIOUS

Extra Early Heavy Early Yielder

55 DAYS

FRUIT — Medium large, indeterminate globe, color deep dark red, smooth and free from cracking, uniform in shape and size, thick fleshed and good mild flavor.

HABIT — Indeterminate strong vigorous vine, medium cover, somewhat fine foliage. A.E.S. tests in Kansas, Wisconsin, Pennsylvania, Michigan, North Carolina and West Virginia show highest total yield of any hybrid or standard variety tested and to be an outstanding hybrid tomato for home-garden or early market.

EARLY GIANT

The Largest Fruited Early Hybrid

60 DAYS

FRUIT — Largest early-fruited hybrid offered with a heavy yield. Deep globe shape, deep red color, thick walls, excellent interior, free from white core, excellent quality.

HABIT — Indeterminate, strong and vigorous. Fruits are spaced on the vine in large clusters, bear over a long period, good coverage, medium dark green foliage.

This early maturing hybrid is widely adapted — east of the Rocky Mountains from Canada to Florida. Excellent home and Market garden hybrid and should not be overlooked where size and earliness are important.

Early Giant for early and Wonder Boy for mid-season and late gives large sized fruits of maximum quality throughout the season.



EARLY HYCROSS

Medium Large High Quality Fruits

65 DAYS

FRUIT — Dark red, medium large, very smooth, deep globe, of excellent mild flavor and solid flesh, small core, highest quality.

HABIT — Indeterminate, medium large, open vine with good foliage cover.

Early Hycross has proved to be of great value as an outstanding home garden tomato for central, eastern and northern U.S. It is produced from a male sterile parent which makes the seed less expensive, earlier than Earliana or Valiant, bred for highest quality fruit yield and earliness.

EARLY PROLIFIC

Large Early Heavy Yield, Top Quality

60 DAYS

FRUIT — Medium to large, excellent dark red, firm fleshed, thick walls, good flavor and quality. Globe shaped, smooth and uniform.

HABIT — Indeterminate, large and vigorous with medium cover. Excellent production and despite its earliness bears fruit until frost. Medium bright green foliage.

This hybrid is in the same class as Earliana for earliness, but has larger and smoother fruits and much greater yielding. Its adaption is wide, a wonderful hybrid for the home garden and market grower. Suitable for staking and trellising.

GIANT KING

A Giant Size Mid-Season Hybrid

80 DAYS

FRUIT — Colossal size, very smooth, bright scarlet color, deep globe shape, thick walls and excellent quality flesh and flavor, firm and meaty.

HABIT — Indeterminate plant habit, and large and vigorous with good coverage against sunburn. Foliage dark green.

As the name implies, this is our mid-season, Giant King sized, high quality tomato to fill the need in the main crop for large size and quality for the home and market gardener.

SPECIAL HYBRID COMBINATION

Special crosses of hybrid tomatoes are grown for the wholesale trade on a customer's specific request with full guarantee of exclusive and confidential handling. Please consider us as your plant breeders.

WONDER BOY

Extra Large, Round, Mid-Season Hybrid with a Wonderful Flavor

80 DAYS

FRUIT — Extremely large, round, smooth, firm, attractive bright scarlet, thick walls, meaty, of excellent quality and delicious. Many weighing one pound or more.

HABIT — Indeterminate; semi-upright, excellent dark green foliage providing good coverage. Often grown on stakes and pruned.

WONDER BOY is a mid-season Variety producing extra large fruits of high quality making it the ideal tomato for the most critical home and Market garden trade. Widely adapted. Use Early Giant for an early large fruited variety, follow with **WONDER BOY**.



Attractive seed packets and catalog inserts available.



F₁ HYBRID TOMATOES

EXPERIMENT STATION RELEASES

H-II

75 DAYS

FRUIT — Large, globe, smooth, firm, green shoulder, meaty and of good quality. Holds size well throughout the harvest season.

HABIT — Large, determinate, good foliage, developed for the early fresh market trade of California. Plants are supported.

H-II sets fruits under cool weather, makes large size, with excellent shipping quality for an early variety. Adaptation west of the Rocky Mountains. Developed by Univ. of California.

FLORIDA - HAWAII

80 DAYS

FRUIT — Globe shaped, medium size, green shoulder, uniform, medium thick walls with a shallow core.

HABIT — Semi-determinate, good vigor and coverage. High yield. Carries resistance to Fusarium Wilt, Root Knot Nematode, Grey Leaf Spot, Spotted Wilt and some races of Leaf Mold.

MICHIGAN - OHIO

75 DAYS

FRUIT — Firm, globular, red fruit having thick outer walls and good interior color, shipping quality, the fruit may be allowed to ripen to a more advanced stage before picking. Fruits larger than Michigan State Forcing.

HABIT — Large, vigorous and indeterminate, being easily pruned and trained to a single stalk. Resistant to Fusarium Wilt.

Developed for the greenhouse trade, the Michigan-Ohio hybrid is remarkably uniform in size and shape. The fruits are borne in clusters of typically 4 to 6, usually all of comparable size. It has the ability to set fruit heavily in dark weather on the first clusters in both fall and spring crops.

MOCROSS SURPRISE

65 DAYS

FRUIT — Red, obate shape, medium to large size, even ripening, meaty and good resistance to cracking.

HABIT — Semi-determinate habit, productive, fair to good coverage. Resistant to Fusarium Wilt (Race I).

Developed by Dr. Lambeth of the University of Missouri. This hybrid is suitable for either staked or ground plantings.

PA. 103 (F. R.)

70 DAYS

FRUIT — Medium size, firm, thick cell walls averaging 4-6 cells, almost round in shape with excellent internal and external color. Has high resistance to cracking.

HABIT — Indeterminate habit, very vigorous growth and slightly open habit. Resistant to Fusarium Wilt, Grey Leaf Spot and Early Blight.

Pa. 103 F₁ Hybrid Tomato was released by the Pennsylvania Agricultural Experiment Station as an early, productive and high quality fresh market tomato that can be staked or cultured on the ground. It has been tested as STEP 268 in over 100 locations and appears well adapted to the Eastern Central, South and Southwestern regions of the United States.

TUCKCROSS O (F. R.)

70 DAYS

FRUIT — Uniform, large globe-shaped of good scarlet red color. Very meaty with a mild flavor and excellent quality.

HABIT — Large vigorous grower, resistant to leaf mold and Fusarium Wilt.

This hybrid is an early forcing type, similar to Valiant in maturity, is very productive and sets fruit well under adverse conditions. It was developed at the Missouri Experimental Station, and is highly recommended as a large fruited greenhouse variety.

TUCKCROSS W (F. R.)

70 DAYS

FRUIT — Medium size, slightly flattened, very smooth of good red color and quality.

HABIT — Moderately vigorous foliage, resistant to leaf mold and Fusarium Wilt.

Another hybrid developed and released by the Missouri Experiment Station. It is an early forcing type, similar to Valiant in maturity, sets well under adverse conditions and is very productive. The fruit separates readily from the stem.

F₂ TOMATOES

EARLY WRAP F₂

73 DAYS

FRUIT — Large, flattened globe, firm, smooth, meaty and of good quality.

HABIT — Determinate, medium strong with good foliage protection for the fruits. Developed as a Western fresh market variety with fruits of large size and size maintained throughout the harvest season. Fruits set well under adverse conditions, five to seven days earlier than Earlypak No. 7.

Used for pole and bush culture.

HYSTEP F₂ (STEP 235)

65 DAYS

FRUIT — Large, deep oblate to globe shaped, very smooth, meaty with solid flesh, mild flavor and excellent quality. Medium red fruits which ripen evenly.

HABIT — Medium large, very strong and vigorous, determinate with good uniformity. Hystep tomato was included in the STEP Trials as STEP 235. The results of trials conducted throughout the South, Midwest, North and East consistently show this as a top producer of quality fruit. This F₂ has produced equally as well in several A.E.S. trials as some leading F₁ Hybrids. This is truly an outstanding, high yielding early tomato.

F₂ TOMATOES (CON'T.)

JUMBO PINK F₂

90 DAYS

FRUIT — Extremely large, firm, meaty, bright pinkish color with a remarkable flavor. More uniform and smoother than Ponderosa which it resembles.

HABIT — Indeterminate, vigorous, heavy stem, medium green foliage with good coverage. Jumbo Pink size and flavor combined with high yield, compared to Ponderosa makes it a most desirable item for our Ponderosa customers.

PRIZE RED F₂

75 DAYS

FRUIT — Medium large, deep scarlet red, excellent quality and flavor, smooth and firm with no hard core, very small stem and blossom scar, high yield of top quality fruits.

HABIT — Indeterminate, strong and vigorous, upright to spreading, very good coverage. This is a mid-season F₂ hybrid with wide range of adaptability throughout the United States. Because of its fine quality fruit and high yield it is ideal for the green wrap trade as well as the market gardener.

SCARLET QUEEN F₂

80 DAYS

FRUIT — Largest red fruited F₂, semi-flattened globe with a slight tendency to ridging, flesh excellent color, medium thick walls, few to many cells and small blossom scars, very fine mild flavor.

HABIT — Indeterminate, very uniform, vigorous plant habit, compact and excellent cover, medium green.

It is extremely high yielding of extra large, uniform fruits and very high percentage saleable, produces over a long period. Good mid-season to late hybrid F₂ for catalog and market grower trade to replace standard varieties in this class.

795 F₂

73 DAYS

FRUIT — Very attractive, medium large globe, very uniform, of good quality and flavor.

HABIT — Medium to small sized, determinate, very vigorous and uniform affording fair coverage. Because of its ability to set fruit under cool conditions and extreme earliness, this new F₂ is rapidly replacing the early maturing variety used in Southern California.



DESCRIPTION OF
STANDARD TOMATOES – PEPPERS



TOMATOES

Group	Variety	Adaptation	Maturity	Fruit Size	Fruit Shape
IIA4	Ace	Western	Medium	Medium	Deep oblate
IIB2	Anahu	Hawaii	Medium	Small to medium	Deep oblate
IA2	Avon Extra Early	No. State, So. Canada	Extra Early	Small to medium	Deep oblate
IIIA1	Allred	No. State, So. Canada	Extra Early	Medium	Deep oblate
IA2	Bonny Best	General	Early	Medium	Globe
IIIA1	Bounty	No. State, So. Canada	Extra Early	Medium	Deep oblate
IIB2	Break O' Day	Eastern	Medium Early	Medium	Globe
VIA1	Brimmer	General	Late	Large	Oblate
IIIA1	Bush Beefsteak	Canada	Early	Medium large	Deep oblate
IA3	Campbell 135	Eastern	Medium Early	Medium	Deep oblate
IB3	Campbell 146	Eastern	Medium Early	Medium	Deep oblate
IA3	Canner's Jewel	Mid-West	Early	Medium	Deep oblate
VA1	Caro-Red	Eastern	Medium	Medium	Deep oblate
IIIA2	Cavalier	No. States, Eastern	Extra Early	Medium to large	Deep oblate
IA2	Chalks Early Jewel	General	Early	Medium	Deep oblate
IA2	Chalks Special Early	General	Early	Medium	Globe
IA2	Colorado Special	Western	Extra Early	Medium	Deep oblate
IIA3	Colorado Red	Rocky Mtn.	Early	Medium	Deep oblate
VIA2	Crackproof Pink	Eastern	Early	Medium	Deep oblate
IA1	Crimson Cushion	General	Late	Large	Oblate
IIC3	CPC No. 1	Western	Medium Early	Medium	Deep oblate
IID3	CPC No. 2	Western	Medium Early	Large	Deep oblate
IA2	De La Plata	Latin Amer.	Late	Medium	Deep oblate
IVA1	Dwarf Champion	Eastern	Medium	Small	Oblate to deep oblate
IB5	Earliana F-56	Western	Extra Early	Medium	Deep oblate
IA2	Earliana 498	General	Extra Early	Medium	Deep oblate
IIIA2	Early Chatham	No. States, So. Canada	Extra Early	Small	Globe
VIA4	Early Detroit	Eastern	Medium	Medium	Deep oblate
IIA2	Early Harkness	Canada	Extra Early	Small to medium	Deep oblate
IIIA2	Early Wonder	No. States, So. Canada	Extra Early	Medium	Deep oblate
IIA4	Earlypak	Western	Medium	Medium	Deep globe
IIA4	Earlypak No. 7	Western	Medium	Medium	Deep globe
IIA4	Earlypak PS 9	Western	Medium	Medium	Deep globe
IVB3	Epoch	Eastern	Early	Medium	Deep oblate
IA5	First Early	Western	Early	Medium	Deep oblate
IIA4	Ferguson	No. States, Canada	Medium	Medium small	Globe
IIIA4	Fireball	Eastern	Extra Early	Medium	Deep oblate
IB2	Firesteel	Eastern	Early	Medium	Globe
IA2	Foremost E-21	Eastern	Early	Medium large	Globe
IIA4	Garden State	Eastern	Medium	Medium	Deep oblate
IC3	Geneva No. 11	Eastern	Early	Small to Medium	Deep oblate
IA1	Giant Italian Potato Leaf	General	Late	Large	Oblate
IA2	Glamour	Northeast & Midwest	Early	Medium	Deep oblate
VA1	Golden Queen	General	Medium	Medium	Deep oblate
IIA4	Grandpak	Western	Medium	Medium	Deep oblate
IB5	Grothen's Globe	Southern	Medium	Medium	Globe
VIA2	Gulf State Market	Southern	Medium	Medium	Globe
IIIA2	Harrow	Canada	Extra Early	Small	Oblate
IIB5	Homestead No. 2	Southern	Medium	Medium	Deep oblate
IIB5	Homestead No. 24	Southern & Mexico	Medium	Medium	Deep oblate
IIB5	Homestead No. 61	Southern	Medium	Medium	Deep oblate
IA1	Hotset	Southern	Extra Early	Small	Globe

Fruit Conformation	Shoulder	Plant and Foliage	Remarks
Firm	UG	Good coverage	Tight Stem
Smooth	UG	Fair coverage	Carries "Mi" Gene for root knot resistance
Smooth, meaty	Green	Upright, fair cover	Dark green
Some blossom end scar, smooth	UG	Fair to good	First UG Variety
Meaty	Green	Open	Old Widely adapted variety. Similar to John Bear
Some blossom end scar, smooth	UG	Compact	One of first U.S. det. var. similar to Victor
Meaty	Green	Open	Sets well in cold weather
Rough, firm, meaty	Green	Open spreading	High quality
Some large scars	UG	Compact	Home garden
Firm, core	UG	Good coverage	Processing variety
Firm, core	UG	Good coverage	Res. Stemphyllium lf. spot. Tol. Tob. Mosaic
Firm, core	Green	Good coverage	Early canning variety
Firm, core	Green	Open	10 times normal Vit. A, Orange cast
Firm, smooth	UG	Open to fair cover	
Rough	Green	Medium cover	Old home garden variety
Smooth, firm	Green		Heavy early producer
Firm, blossom end scar	Green	Medium to open	Earliana Type
Firm	Green	Medium to good	Cannery variety for Rocky Mountains
Firm, meaty, rough	Green	Good cover	Crack resistant
Firm, meaty	Green	Open	Home garden standard for quality
Firm, smooth	Green	Good	Hold well on vine — good cannery color
Some blossom end scar, firm	UG	Medium to good	Highly productive
Tough skin, firm	Green rough	Vigorous, spreading	Sweet flavor
Smooth	UG	Poor to fair	Highly productive dwarf, Pink fruit
Firm, some rough	Green	Fair coverage	For early market grower
Firm, some rough	Green	Fair coverage	Old home garden variety
Smooth	UG	Fair to good	
Rough shoulder	Green	Large spreading	Good color, not always uniform
Large blossom	UG	Vigorous, open	Leaves roll. Used as a staked variety
Some rough at blossom end	UG	Good	More vigorous and productive than Victor
Smooth, firm	Green	Fair cover	Fresh market, processing
Smooth, firm	Green	Fair cover	More uniform for size than Earlypak
Smooth, firm	Green	Fair cover	Hold large size longer
Firm	UG	Good coverage	Red fruit, dwf., Rugose leaves, var. Fus. Rest.
Some rough, firm	Green	Medium to good	Use as early stake for market
Thick walled	UG	Vig., med. to good	Tolerance to cracking
Smooth	UG	Open, fair	Sets under cool conditions
Rich, red, smooth	Green	Compact	Productive
Smooth	Green	Fair to good	Resist. to cracking
Meaty	Green	Compact, medium cover	Holds well after ripening. Some resist. to late Blight
Firm	UG	Good	Potato leaf
Firm, meaty	Green	Open	Giant tree
Firm	UG	Fair coverage	Resistance to cracking
Solid	Green	Good	Heat tolerant, mild flavor
Smooth, firm	Green	Fair cover	Fresh market
Smooth, firm	Green	Good cover	Fresh market
Smooth, firm, meaty	Green	Good cover	Resistant to fruit cracking
Smooth, firm	UG	Compact	Needs fertile soil for plant size
Firm	Green	Good cover	
Firm	Green	Good cover	More uniform and deeper fruited than No. 2
Firm	Green	Good cover	Larger fruited and flatter than No. 24
Smooth	Green	Good cover	Sets fruit at high temperatures

TOMATOES

Group	Variety	Adaptation	Maturity	Fruit Size	Fruit Shape
IIA5	Imperial	Western	Early	Medium	Deep oblate
IB5	Indian River	Southern	Medium	Medium	Globe
IA4	Indiana Baltimore	Eastern	Medium	Medium Large	Deep oblate
IB4	Jefferson	Southern	Medium Late	Medium	Globe
IIA4	J. Moran	Western	Medium Late	Large	Deep oblate
IA2	John Bear	General	Early	Medium	Globe
VA1	Jubilee	General	Medium	Medium Large	Globe to deep globe
VIA2	June Pink	Eastern	Early	Medium Large	Deep oblate
IA3	Kenosha	No. Colorado	Medium	Medium	Deep oblate
IIIB2	Kolea	Hawaii	Medium	Medium	Deep globe
IA4	Kokomo	Mid-west	Medium	Medium Large	Globe
IB4	Kopiah	South	Medium	Medium	Globe
IA3	Longred	Eastern	Medium Early	Medium	Deep ovate
IC3	Loran Blood	Northwest	Early	Medium Large	Oblate
VIB2	La. Allseason	Southern	Early	Medium	Deep oblate
VIB2	La. Dixie	Southern	Medium	Medium	Globe
VIB2	La. Gulf State Market	Southern	Medium	Medium	Deep oblate
VIA2	La. Pink	Southern	Early	Medium	Deep oblate
IA2	La. Red	Southern	Medium	Medium	Deep oblate
IB5	Manasota	Southern	Medium Early	Medium	Globe to deep globe
IB5	Manalucie	Southern	Medium	Medium Large	Deep globe
IB5	Manapal	Southern	Medium	Medium	Globe
IIIA2	Manitoba	Canada	Extra Early	Medium	Deep oblate
IB2	Marglobe Sel.	General	Medium	Medium	Globe
IB2	Marglobe Master	General	Medium	Medium	Globe
IB2	Marion	Southeast	Medium	Medium	Deep ovate
IIA5	Meteor	Canada	Extra Early	Medium Small	Deep oblate
IA5	Michigan State Forcing	Greenhouse	Medium	Medium	Globe
IIC3	Moscow No. 82	Northwest	Medium Early	Medium	Deep oblate
IB1	Mosage	East, Mid-west	Medium	Medium Large	Oblate
IIB2	Mozark	Mid-west	Medium	Medium	Deep oblate
IIA4	Moran Perfected	Western	Medium Late	Large	Deep oblate
IB2	Norton	General	Late	Medium Large	Oblate
IIB2	Oahu N	Hawaii	Early	Large	Deep oblate
IB5	Ohio WR Jubilee	Eastern	Early	Large	Globe to deep oblate
IA1	Oxheart	General	Late	Extra Large	Heart
IA4	Owyhee	Northwest	Medium Early	Small to Medium	Deep oblate
IB1	Pan American	South Amer. General	Early	Medium	Deep oblate
IIA2	Pearl Harbor	Hawaii	Medium Early	Small, 3 to 4 oz.	Deep oblate
IIC3	Pearson B(XL)	Western	Medium	Medium	Deep oblate
IIC4	Pearson A-1 Imp.	Western	Late	Medium Large	Deep oblate
IIA4	Pearson Imp.	Western	Late	Medium	Deep oblate
IIA4	Pearson Select	Western	Late	Medium	Deep oblate
IID3	Pearson VF 6	Western	Late	Medium	Deep oblate
IID3	Pearson VF 11	Western	Late	Medium	Deep oblate
IIIA2	Pennheart	General	Medium Early	Medium Large	Deep oblate
IID3	Peto "C" VF	Western	Early	Large	Deep oblate
VIB2	Pink Shipper	Eastern	Medium	Medium	Globe
IIIA4	Plainsman	Mid-west & Texas	Extra Early	Medium	Globe to oblate
VIA1	Ponderosa Pink	General	Late	Large	Oblate
IA1	Ponderosa Red	General	Late	Large	Oblate
VIA2	Porter	Mid-west	Medium	Small	Pink plum
VIA2	Porter Imp.	Mid-west	Medium	Medium Small	Pink round

Fruit Conformation	Shoulder	Plant and Foliage	Remarks
Some blossom end scar, smooth	Green	Good cover	Early fresh market variety
Smooth, firm	Smooth, dark Green	Good cover	Res. grey lf. spot, gray wall, blossom end rot, 4 st. lf. mold, some res. early blight
Very firm, solid	Green	Good, prolific	Canning
Thick wall, small core	Green	Larger plant	Green wrap, canning
Meaty, firm	Green	Heavy foliage	Holds well in shipping
Meaty	Green	Fair	Similar to Bonny Best
Very meaty	Green	Good cover	Some resistance to cracking
Firm, meaty	Green	Medium cover	Pink Earliana type
Solid	Green	Strong, excellent cover	Heavy yielding
Smooth	UG	Fair cover	Carries "Mi" gene for root knot resistance
Solid, meaty	Green	Good	Less subject to fruit cracking than Rutgers
Smooth	Green	Strong	Smaller fruit than Marglobe
Firm	UG	Good	Fruits hold well after ripening
Blossom end scar, firm, heavy	Green	Large, good	Canning, productive
Smooth	Green	Fair	
Smooth	Green	Open	Some resistance to cracking
Smooth, firm	Green	Open	
Smooth	Green	Open	
Smooth	Green	Open	
Smooth	Green	Large, open	Resistant to Stemphyllium Blight, greenwrap
Smooth, firm	Green	Good cover	Rest. blos. end rot, lf mold, early blight, grey lf. spot
Smooth, firm	Green	Good cover	So. pink ship. Res. Grey Wall, blos. end rot, lf. mold
Firm	Smooth, UG	Compact	Southern Canadian prairies
Smooth, firm	Green	Good	Widely adapted, home and market
Smooth, firm	Green	Good	
Smooth, firm	Green	Good cover	Resist. Grey leaf spot, mod. resist. Early Blight
Smooth	UG	Small	Western Province, short season, concentrated harvest
Smooth	Green	Good	Sets under greenhouse conditions
Smooth, firm	UG	Good cover	
Meaty	Smooth, shallow Green	Good cover	High yielding, heat tolerant
Firm	UG	Fair	
Smooth, firm	Shallow, green	Light green, good	
Firm	Green	Large, good	Fusarium resistant, Stone type
Smooth	UG	Small, compact	Warm weather var., "Mi" gene for root knot resist.
Meaty	Green	Good	Immune Stemphyllium lf. spot; tol. Tob. Mos.
Firm, meaty	Green	Open	
Smooth	UG	Fair to good	Curly Top Resistant
Firm	Green	Good	Resist. to nailhead rust
Firm	UG	Open, small leaves	Rest. to spotted wilt
Firm	Green	Good	First Verticillium Rest. variety for California
Firm	Green	Good	Used extensively for green wrap
Firm	Green	Good	
Firm	Green	Good	Green wrap on disease free soil
Firm	Green	Good	
Firm	Green	Good	
Some blossom end scar	Green	Fair to good	Sets fruit in cold weather
Firm, excellent color	UG	Medium size, compact	High canning quality
Smooth, firm	Green	Open, fair cover	Called immune to Fusarium A
Smooth, firm	Green	Small, compact	Cold dry climate, processing
Very solid	Rough Green	Open	Home garden, mild flavor, few seeds
Very solid	Rough Green	Open	Home garden, some resist. to cracking
Firm, smooth	Green	Open	Productive at high temperatures, low humidity
Firm	Green	Open	Productive at high temperatures, low humidity

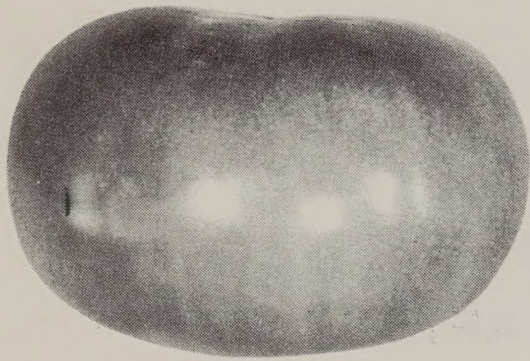
TOMATOES

Group	Variety	Adaptation	Maturity	Fruit Size	Fruit Shape
IIA2	Pritchard	Eastern	Medium	Medium	Globe
IB3	Purdue 1361	Eastern	Medium Late	Medium Large	Deep oblate
IA2	Queens	Northeast	Early	Medium	Globe
IA2	Red Cherry, Large	General	Medium Late	Small, 1¼ oz.	Round
IA2	Red Cherry, Small	General	Medium Late	Small, ¼ oz.	Round
IIIA2	Red Cloud	No. States, So. Canada	Extra Early	Medium	Deep oblate
IB2	Red Global	Southern	Medium	Medium	Deep globe
IA1	Red Peach	General	Medium Early	Small, 2 oz.	Round
IA1	Red Pear	General	Medium Early	Small, 1¼ oz., long	Pear
IA1	Red Plum	General	Medium Early	Small, 1½ oz.	Plum
IIIA3	Red Top	Western	Medium	Medium Small	Pear
IIIC3	Red Top VR 9	Western	Medium	Medium Small	Pear
IA2	Rhode Island Early	No. States	Extra Early	Small, 4 oz.	Globe
IIB2	Rio Grande	Mid-west	Medium	Medium Large	Deep oblate
IIIB3	Roma	Eastern & Mid-west	Medium	Medium Small	Pear
IA4	Rutgers	East and Mid-west	Medium	Medium	Globe
IA3	San Marzano	General	Medium Late	Medium	Pear
IC3	San Marzano VR	General	Medium Late	Medium Small	Pear
IIB5	Sequoia	Western	Medium	Medium	Deep oblate
IIIA2	Sheyenne	Northern	Medium	Small	Deep globe
IA2	Sioux	Mid-west	Early	Meduim	Globe to deep globe
IB4	Southland	Southern, Eastern	Medium Late	Meduim	Oblate
IB3	Stair	Eastern	Late	Meduim	Globe to oblate
IA4	Stokesdale	Eastern	Early	Meduim	Globe
IA1	Stone	General	Late	Meduim	Oblate
VB1	Sunray	General	Medium	Meduim	Globe to deep oblate
IIA2	Super Sioux	Mid-west	Early	Meduim	Globe to deep oblate
IID3	T-2 Imp.	Western	Medium Early	Large	Deep oblate
IIA2	Tanggula	No. States, So. Canada	Early	Medium Small	Deep oblate
IIB3	Tecumseh	Eastern	Medium	Medium	Globe
IIIA1	Tiny Tim	General	Early to Medium	Very Small	Round
VIB1	Tom Boy	Mid-west	Medium	Large	Oblate
IA2	Trellis No. 22	Eastern	Medium	Medium	Deep oblate
IIIB4	Urbana	Eastern	Medium Early	Medium	Globe to deep oblate
IA2	Valiant	Eastern	Early	Medium	Globe
IIA1	Valnorth	No. States, So. Canada	Extra Early	Medium	Globe
IIIA2	Victor	No. States, So. Canada	Extra Early	Medium	Deep oblate
IA1	Vogue	Ontario, Canada	Extra Early	Small	Globe
IID3	VF 36	Western	Early	Large	Deep oblate
IID3	VF 145	Western	Early	Medium Small	Globe to ovate
IID3	VF 14	Western	Early	Large	Deep oblate
IID3	1402 VF	Western	Late	Medium	Deep oblate
IIIA2	Wasatch Beauty	Northwest	Medium	Medium	Globe
IB5	Weshaven	Texas	Late	Medium	Deep oblate
IA1	Winsall	Eastern	Late	Large	Oblate
IIA2	Wisconsin 55	General	Early	Medium	Globe to deep oblate
IIA2	Wisconsin Chief	No. States	Early	Medium Large	Oblate
VA1	Yellow Pear	General	Medium	Small	Pear
VA1	Yellow Plum	General	Medium	Small	Plum

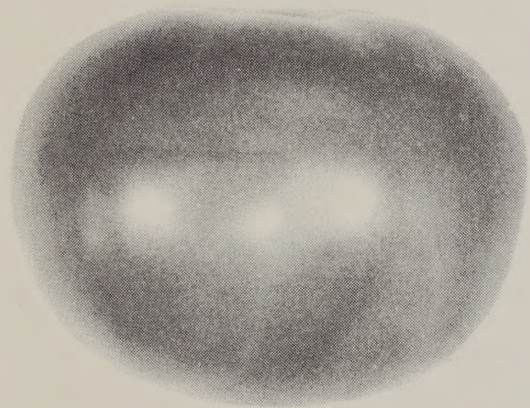
Fruit Conformation	Shoulder	Plant and Foliage	Remarks
Smooth, thick wall	Green	Good	
Thick wall	Green	Good cover	High solids. Indiana Baltimore type
Firm, smooth	Green	Open	Productive
Firm	Green	Strong, open	Exc. qual. use basket tomato, lrg. than red cherry
Small, smooth	Green	Large, open	Home garden, preserves
Meaty, firm	UG	Fair to good	Shows crack resistance
Meaty, bright red	Green	Good	Crack resistance, sets fruit at high temperatures
Soft	Green	Open	Home garden
Clusters	Green	Large open	Used for preserves, home garden
Clusters	Green	Large open	Used for preserves, home garden
Firm, dry	Green	Good	Paste, puree, etc.
Firm	Green	Good	Paste, puree, etc.
Firm	Green	Fair	Very early harvest
Firm	Green	Compact, good	Rest. to Grey leaf spot
Fleshy	UG	Strong, vigorous	Adapted to paste
Smooth, firm	Green	Good	Paste, puree, etc. Dry fruit, straight side
Smooth, firm	Green	Good	
Smooth, firm	Green	Good	Paste, puree, etc. Fruits smaller than San Marzano
Smooth, firm	Green	Good	Early fresh market, staked variety
Smooth, meaty	UG	Good	
Firm, meaty	UG	Open, fair	Very productive
Firm, at face common	Green	Vigorous, good	Res. Alternaria, early blight, late blight, blos. end rot
Firm	Smooth Green	Good	Whole pack
Smooth	Green	Open	
Meaty, firm	Green	Open, Medium to good cover	Heavy foliage
Heavy walls, smooth	Green	Medium	Heavy foliage, mildly acid
Firm	UG	Fairly open	
Firm	UG	Good	Productive
Smooth, firm	UG	Good	
Firm	Green	Good	Resist. grey leaf spot. Not for whole pack
Firm	Green	Compact	Rugose leaf. Grown as pot plant. Ornamental
Firm, meaty, irregular	Green	Open	Ponderosa fruits
Firm	Green	Open	Best on stakes
Firm, thick walls	Green	Compact, good	Compact, many short branches
Smooth, meaty	Green	Open	Early home and market
Firm	Green	Compact	Northern early
Smooth, firm	UG	Compact	Northern early. Similar to Bounty
Very smooth	UG	Fair to good	Thick stem. Well staked
Firm	Green	Fair	High yielding, tight stem
Smooth, firm	UG	Compact, good cover	Developed for mech. harvesting
Firm	UG	Good	Sets under adverse conditions
Firm	UG	Large good	
Firm	Green	Good cover	
Smooth	Green	Good cover	
Rough, meaty	Green	Open	Beefsteak type
Smooth	Green	Good	Excellent interior color
Uniform	UG	Good	Holds size through season, some resist. to cracking
Uniform	Green	Open	
Uniform	Green	Open	Home garden and preserves

USE OF THE TOMATO VARIETY KEY

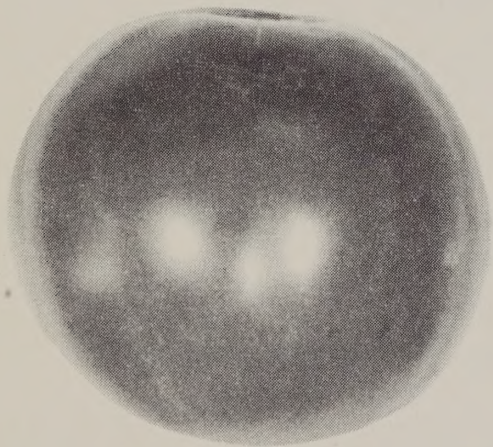
Varieties grouped according to
plant habit, fruit size and fruit color



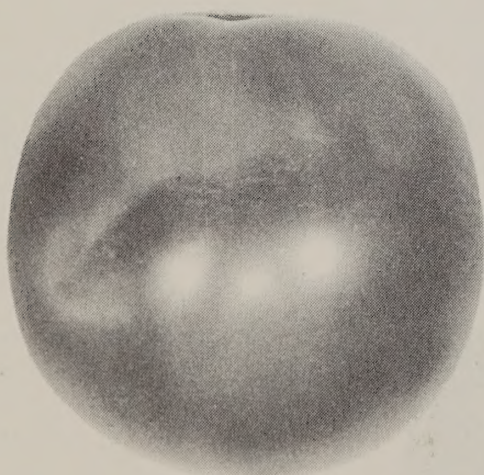
Oblate



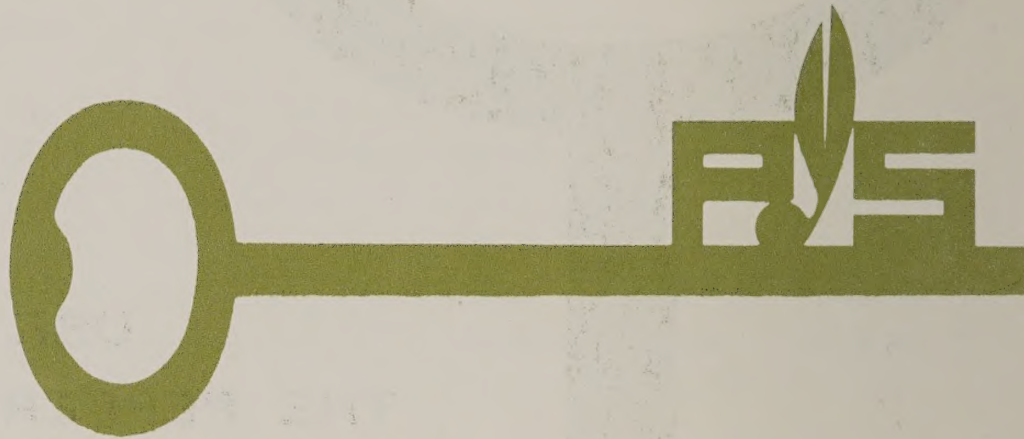
Deep Oblate



Globe



Deep Globe



- GROUP I Indeterminate, red fruits
- GROUP II Determinate, large plant, red fruits
- GROUP III Determinate, medium to small plants, red fruits
- GROUP IV Dwarf plant
- GROUP V Indeterminate, orange or yellow fruits
- GROUP VI Indeterminate, pink fruits
- GROUP VII Determinate, pink fruits

Sub-Group 1.

Root Disease Resistance

- A. No resistance to root disease
- B. Resistance to Fusarium Wilt (Tolerance or genetic resistance)
- C. Resistant to Verticillium Wilt
- D. Resistant to Verticillium and Fusarium Wilt

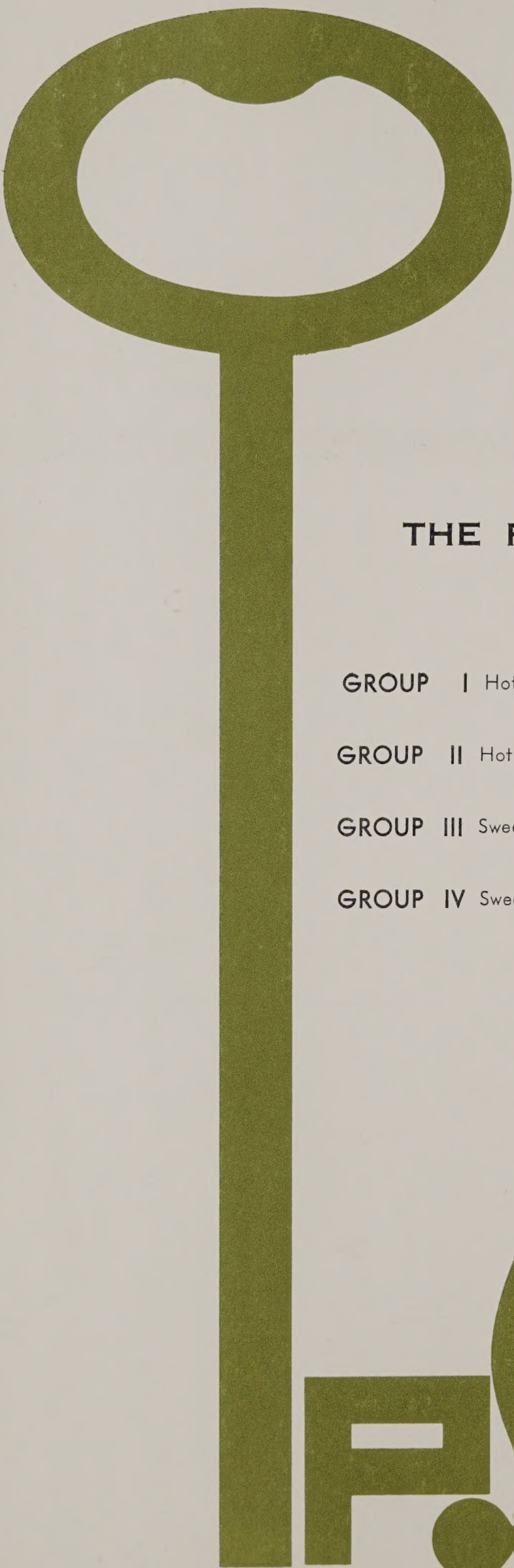
Sub-Group 2.

Most Common Use or Uses

- 1. Home Garden
- 2. Home Garden and Market
- 3. Cannery
- 4. Market and Cannery
- 5. Market

Example:

IB2 is an indeterminate, red fruited Fusarium Resistant home and market variety.



USE OF THE PEPPER VARIETY KEY

GROUP I Hot (Pungent)—no resistance to Tobacco Mosaic

GROUP II Hot (Pungent)—Tobacco Mosaic Resistant

GROUP III Sweet—No resistance to Tobacco Mosaic

GROUP IV Sweet—Tobacco Mosaic Resistant



PEPPERS

Group	Variety	Days	Height in Inches	Plant Habit	Foliage	Fruit Size In Inches
III	Allbig	65	14-16	Upright, spreading	Small medium green	5-6 by 3½
I	Anaheim	78-80	26-30	Upright, spreading	Medium green	6½-7 by 1½-2
II	Avalon Button	75	26-30	Upright, strong	Medium green	1 by 2
I	Bulgarian (med. hot)	67	22 to 24	Upright, strong	Medium light green	3½-4 by 2-2¼
I	Bull Nose (mildly hot)	55	20 to 24	Upright	Medium green	3½-4 by 3
III	California Wonder	72-75	26-30	Upright, vigorous	Medium light green	4-4½ by 3¼-4
IV	California Wonder MR	75	26-30	Strong upright	Dark	3½-4 by 3-3½
I	Carolina Hot	70	20-24	Upright, strong	Medium green, fine	4½-5 by ¾
I	Casabella	75	28-32	Upright spreading	Open, light green	1½ by ¾
I	Cayenne Long Slim	70	20-24	Upright	Medium green, fine	5-6 by ¾
I	Cayenne Long Thick	74	20-24	Upright, spreading	Medium green, fine	7-8 by 1½
III	Charter Oak	68	22-24	Upright, branching	Medium green, large	3½-4 by 3¾
I	Chili Jalapeno	72-80	26-30	Upright, vigorous	Dark green, fine	2¾-3 by ¾
I	Chili Serrano	73	18-20	Bushy	Medium green, fine	1½-1¾ by ½
III	Chinese Giant	80	24	Spreading	Medium green	5 - 4½
I	College 6, Anaheim type	78-80	26-30	Compact	Heavy	6-6½ by 1¾
III	Cuban, Cubanelle	62-65	28-30	Spreading, med. large	Light green, heavy	4-5 by 1¼-1½
III	Early Bell	63-65	12-14	Upright to spreading	Medium dark	4 by 1½-2
III	Early Calwonder	68-70	16-20	Upright	Medium green	4 by 3-3½
I	Floral Gem	75	20-24	Upright, open	Light medium, fine	2-2½ by 1
I	Floral Gem Jumbo	75	20-24	Upright	Light medium, fine	3-4 by 1½-2
III	Florida Giant	75-80	24-30	Upright	Medium green, heavy	4-4½ by 3½
II	Fresno Chili P	75	20-22	Upright, strong	Abundant dark	2½ by 1
II	Fresno Chili U	75	20-22	Upright, strong	Abundant dark	2½ by 1
III	Golden Calwonder	68	22-26	Upright, sturdy	Medium green	3½-4 by 3-3½
I	Hungarian Block Type	65-68	12-14	Short, compact	Medium light	3-3½ by 2½
I	Hungarian Yellow Wax	65	18-20	Upright, strong	Medium light green	5½-6 by 1
III	Hungarian Yellow Wax	65	18-20	Upright, strong	Medium light green	5-5½ by 1¼
III	Italian Sweet	62	22-26	Compact	Medium green	4 by 2
IV	Keystone Resistant Giant	74	26-28	Upright, strong	Medium green	4-4½ by 3½-3¾
IV	Liberty Bell	75	24-30	Upright, vigorous	Medium green	4-4½ by 3½-4
III	Merrimack Wonder	68	22-24	Upright, vigorous	Medium green	3½-4 by 3½

Fruit Conformation	Flesh	Color	P—Pendant U—Upright	Use
Long bell, 3 to 4 lobed	Medium	Medium green	P	Early northern, home, local market
2 & 3 celled, smooth pointed	Medium thick	Deep green	P	Canning, fresh, drying
Button juicy	Medium thick	Green	U	Home
Blocky, smooth	Medium thick	Yellow	U to P	Home, canning
Blocky end, rough blossom	Medium	Green	P	Mildly hot, home, market
Bell, 3 to 4 lobed, smooth	Medium thick	Deep green	U to P	Home, market, processing
Bell, 3 to 4 lobed, smooth	Medium thick	Deep green	U to P	Home, market
Pointed, 2 celled, wrinkled	Thin	Dark green	P	Res. root knot. Sauce, pickling, drying
Tapered to point, smooth	Medium thick	Light yellow	P	Pickling
Pointed, 2 celled, wrinkled	Thin	Dark green	P	Drying, canning, sauce
Pointed, 2 celled, wrinkled	Thin	Dark green	P	Drying, canning
Bell, 3 to 4 lobed	Thick	Dark green	U to P	Sets cold weather, home, market
Blunt end, smooth	Thick	Dark green	P	Pickling, market
Candle flame	Thin	Deep green	U	Home, pickling
Bell, rough at blossom end	Medium	Bright green	P	Home, old favorite
Long smooth	Medium	Bright green	P	Adapt. So-West, Res. chili wilt, mildly hot, canning, drying
Tapering, rough	Thin	Pale green	P	Market
Long bell, mostly 4 lobed	Thin	Medium green	P	Northern, home, market
Bell, smooth, 3 to 4 lobed	Medium	Medium green	U to P	Home, market
Conical blunt	Medium	Yellow	P	Fresh, market, processing
Conical blunt	Medium	Yellow	P	Fresh, market
Bell	Thick	Dark green	U to P	Southern, market
Tapered to point, smooth	Thick	Dark green	P	Market, canning
Tapered to point, smooth	Thick	Dark green	U	Market, canning
Blocky bell	Thick	Matures yellow	U to P	Home, local market
Blunt point	Medium thick	Yellow	U	Home, canning
Tapering to point	Medium thick	Yellow	P	Home, canning
Tapering to point	Medium thick	Yellow	P	Home, canning
Long bell, 3 lobed	Thin	Pale green	P	Home, market, special flavor
Bell, 3 to 4 lobed	Thick	Dark green	U to P	Market
Bell, 3 to 4 lobed	Thick	Dark green	P	Home, market
Bell, 3 to 4 lobed	Thick	Dark green	U to P	Sets cold weather, home, market, adapted to North

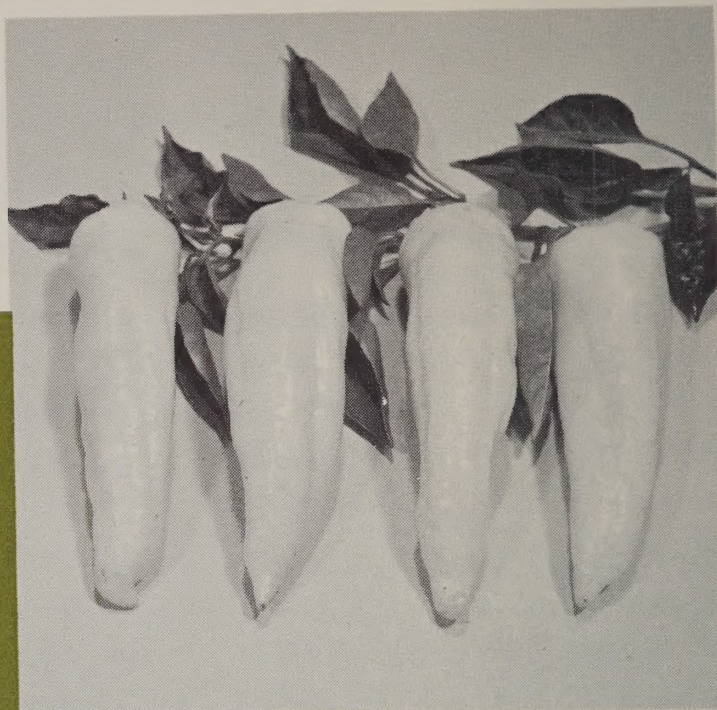
PEPPERS

Group	Variety	Days	Height in Inches	Plant Habit	Foliage	Fruit Size In Inches
I	Mexican Chili (chili pasilla)	72-75	24-28	Free branching, upright	Dark green	4½-5½ by 2½-3
III	Michigan Wonder	68	20-24	Upright, vigorous	Medium light green	3½-4 by 3
III	Neapolitan	60-65	22-26	Upright	Leafy	4 by 2
III	Oakview Wonder	63-65	18-20	Upright, stocky	Medium green	3½-4 by 3½
III	Pimiento Perfection	72-80	30-36	Upright, vigorous	Dark green	3-3½ by 2½
III	Pimiento Select	72-80	30-36	Upright	Medium green	3½ by 2½
III	Pennwonder	60-65	20-22	Strong, bushy	Leaves medium	4-5 by 3
I	Red Cherry, large	80	16-20	Upright	Dark green	1¼ to 1½
I	Red Cherry, small	80	18-20	Strong, upright	Dark green	1 to 1¼
III	Red Cherry, sweet	80	18-20	Strong, upright	Medium green	1¼ to 1½
I	Red Chili	82-85	18-20	Upright, bushy	Medium light green, fine	1¾-2½ by ½
IV	Rio Wonder	75	18-20	Compact, slightly spreading	Dark green	4-4½ by 3-3¾
I	Roumanian (hot)	65	22-24	Upright, sturdy	Medium light green	3½-4 by 2-2½
III	Roumanian	67	22-24	Upright, sturdy, strong	Medium light green	3½-4 by 2-2½
III	Ruby King	68-70	24-30	Upright, vigorous	Dark green	5-6 by 3-3½
I	Sandia	68-70	28-30	Tall, erect, vigorous	Dark green	6½-7½ by 2
III	Sunnybrook (cheese)	72-74	23-28	Upright	Medium green	3 by 2
III	Sweet Banana	58-70	23-25	Upright, strong	Medium green	6-7 by 1½
III	Sweet Yellow	60	12-14	Upright to spreading	Medium light	4 by 1½-2
I	Tabasco	95	26-30	Large, spreading	Fine	1 by ¾
IV	Thick Wall World Beater	70	24-30	Upright, large	Dark green	4¾ by 3¾
IV	Vinedale	61-63	12-14	Small, compact	Medium green	3½-3¾ by 2-2½
III	Wisconsin Lakes	65	18-21	Upright, strong	Medium green	3½-4 by 3-3½
III	World Beater	63-70	24-30	Erect, vigorous	Dark green	4-4½ by 3-3½
III	Wonder Giant	74	24-28	Upright	Med. green, abundant	4½ by 3¾
IV	Yolo Wonder	75-80	16-18	Compact	Heavy dark green	3½-4 by 4
IV	Yolo Wonder A	70-74	16-18	Compact	Dark green	4-4½ by 4
IV	Yolo Wonder B	72-75	18-24	Taller, broader than Yolo Wonder	Dark green, large	3½-4 by 3½-3¾
IV	Yolo Wonder L	75	20-24	Tall, upright, uniform setting	Heavy dark	3¾-4½ by 3¾

Fruit Conformation	Flesh	Color	P—Pendant U—Upright	Use
Flattened 2-3 celled, tapering to blunt point	Medium	Deep green to purplish	P	Chili powder, drying, fresh
Bell, mostly 4 lobed	Thick	Deep green	U to P	Adapted to north, early, heavy pick
Rounded point, smooth	Thin	Yellowish green	U	Southern, market
Bell, 3 to 4 lobed	Thick	Medium green	U to P	Res. Phytophthora, home, market
Heart shape	Very thick	Dark green, sweet	P	Home, canning
Heart shape	Very thick	Dark green, sweet	P	Adapted West Coast, home, canning
Elongated bell	Medium	Dark green	P	Early, Adapted to Northeast
Cherry	Medium	Dark green	U	Pickling
Cherry	Medium	Dark green	U	Pickling
Cherry	Medium	Dark green	P	Pickling, fresh
Tapered to blunt point	Thin	Light green	U	Sauce, drying
Bell, 3 to 4 lobed	Thick	Dark green	U to P	Market, similar Yolo Wonder B
Blocky	Medium thick	Yellow	U	Processing and market
Blocky	Medium thick	Yellow	U	Home, canning
Long bell, mostly 3 lobed	Medium thick	Dark green	P	Northern, home, market
Tapered, smooth	Medium thick	Green	P	Res. to chili wilt, home, drying
Tomato shape	Thick	Glossy green	P	Home, canning
Tapering to point	Medium thick	Yellow	P	Home, market, canning
Tapering blunt point	Thick	Yellow	P	Northern, home, canning
Small tapering	Thin	Light green	U	Pickling and sauce
Tapering bell, 3 to 4 lobed	Medium thick, smooth	Deep green	P	Home, market
Slightly tapered	Medium thick	Deep green	P	Northern, home, market
Bell, 3 to 4 lobed	Medium thick	Medium green	U	Northern, home, market
Tapering bell, 3 to 4 lobed	Thin	Deep green	P	Home, market
Bell, 3 to 4 lobed	Med. thick, firm	Deep green	U to P	Southern, market
Blocky	Firm, thick	Dark green	U to P	Market, home
Blocky, Bell, 3 to 4 lobed	Firm, thick	Dark green	U to P	Market
Bell, longer, large	Firm, thick	Dark green	U to P	Market, home
3 to 4 lobed	Firm, thick	Dark green	U to P	Market, home



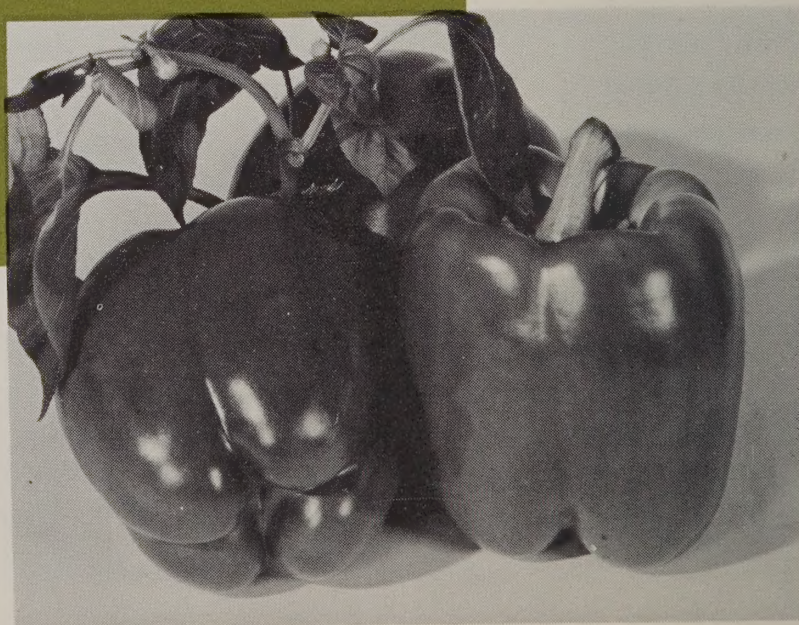
Chili (Selected Strain)



Sweet Banana



Red Cherry



Keystone Resistant Giant

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